Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/21/2018 12:02 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	127911	2	2.74	127987	2.71
Blue	F	SSC	125000	124861	-1	1.70	125569	1.71
Blue	E	FITC	15760	15521	-2	2.98	336	23.24
Blue	D	PE	25880	25685	-1	1.98	561	17.31
Blue	B	PerCP-Cy5-5	34075	34704	1	4.26	1053	23.44
Blue	A	PE-Cy7	22776	23036	1	7.58	555	46.38
Red	C	APC	42488	42264	-1	2.83	1581	13.99
Red	A	APC-Cy7	24478	24281	-1	3.04	830	13.54
Violet	B	V450	6304	6214	-2	4.32	347	18.53
Violet	A	V500	26005	25255	-3	3.83	590	13.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21254	12.39	612	15	N/A	N/A	Pass
Blue	F	SSC	56528	1.18	582	27	N/A	N/A	Pass
Blue	E	FITC	59	77.66	565	9	0.0149	246	Pass
Blue	D	PE	118	58.95	560	11	0.1180	295	Pass
Blue	B	PerCP-Cy5-5	202	57.42	667	20	0.0070	93	Pass
Blue	A	PE-Cy7	106	118.61	719	22	0.0088	35	Pass
Red	C	APC	368	29.07	606	6	0.0177	70	Pass
Red	A	APC-Cy7	203	28.95	577	6	0.0042	551	Pass
Violet	B	V450	53	90.02	500	11	0.0269	2773	Pass
Violet	A	V500	87	52.14	516	10	0.0128	1674	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.44	-30.81	0.96
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.47	13.60 - 20.40	N/A	N/A	30.78	31.35	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11233

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments